

# Green Procurement

## *Introduction to Green Procurement and Training for Federal Purchase Card Holders*

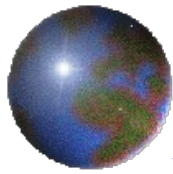
**Pat Rippey**

**Beth**

**S. Army Center for Health Promotion and Preventive Medicine**



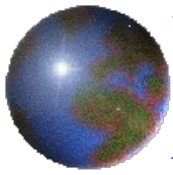
*USACHPPM - Readiness thru  
Health*



# *What do we mean by “Green Procurement”?*

- Showing preference for purchasing products that are:
  - ❑ Made with Recycled Content
  - ❑ Biobased
  - ❑ Environmentally Preferable
  - ❑ Energy Efficient
  - ❑ Alternative Fuels or Vehicles
  - ❑ Lacking in Ozone-Depleting Substances (ODS)
  - ❑ Without EPA Priority Chemicals





## ***Test your knowledge of Recyclable Materials***

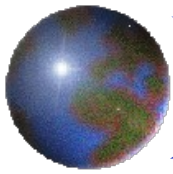
- Plastic used to make soft drink bottles, food containers, and fabric (#1)
- Type of plastic commonly used in milk and water jugs (#2)
- A hard, brittle, generally transparent or translucent material formed from the rapid cooling of liquefied minerals
- A lightweight, silver-white, metallic element that makes up approximately 7 percent of the Earth's crust
- A strong, durable material made of iron and carbon, often used as a component in cans and as a structural material in construction

**Steel**

**Alumin  
um  
HDPE**

**PET**

**Glass**

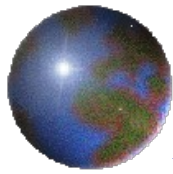


# *Green Procurement*

## *Overview*

- DOD Green Procurement Policy
- Affirmative Procurement
  - Regulatory Drivers
  - Buy Recycled Program - CPGs and RMANs
  - Buy Biobased Program
- Other Aspects of Green Purchasing
  - Environmentally Preferable
  - Energy Efficient
  - Alternative Fuels and Vehicles
  - Ozone-Depleting Substances
  - Priority Chemicals
- Finding Green Products
- Reporting

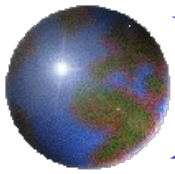




# ***DOD Green Procurement Policy and Strategy***

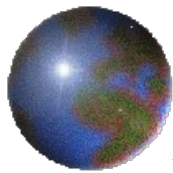
**August 27, 2004**

- Formally Establishes DOD Green Procurement Program (GPP) and Metrics
- Requires that green products and services be considered as first choice for all procurements
- Assigns responsibility to virtually every DOD employee; notes need for GPP awareness training
- Requires implementation at organizational level where initial purchasing requirements are defined
- Requires documentation of objectives, targets, and actions in an installation-level plan
- Uses the EMS framework for implementation

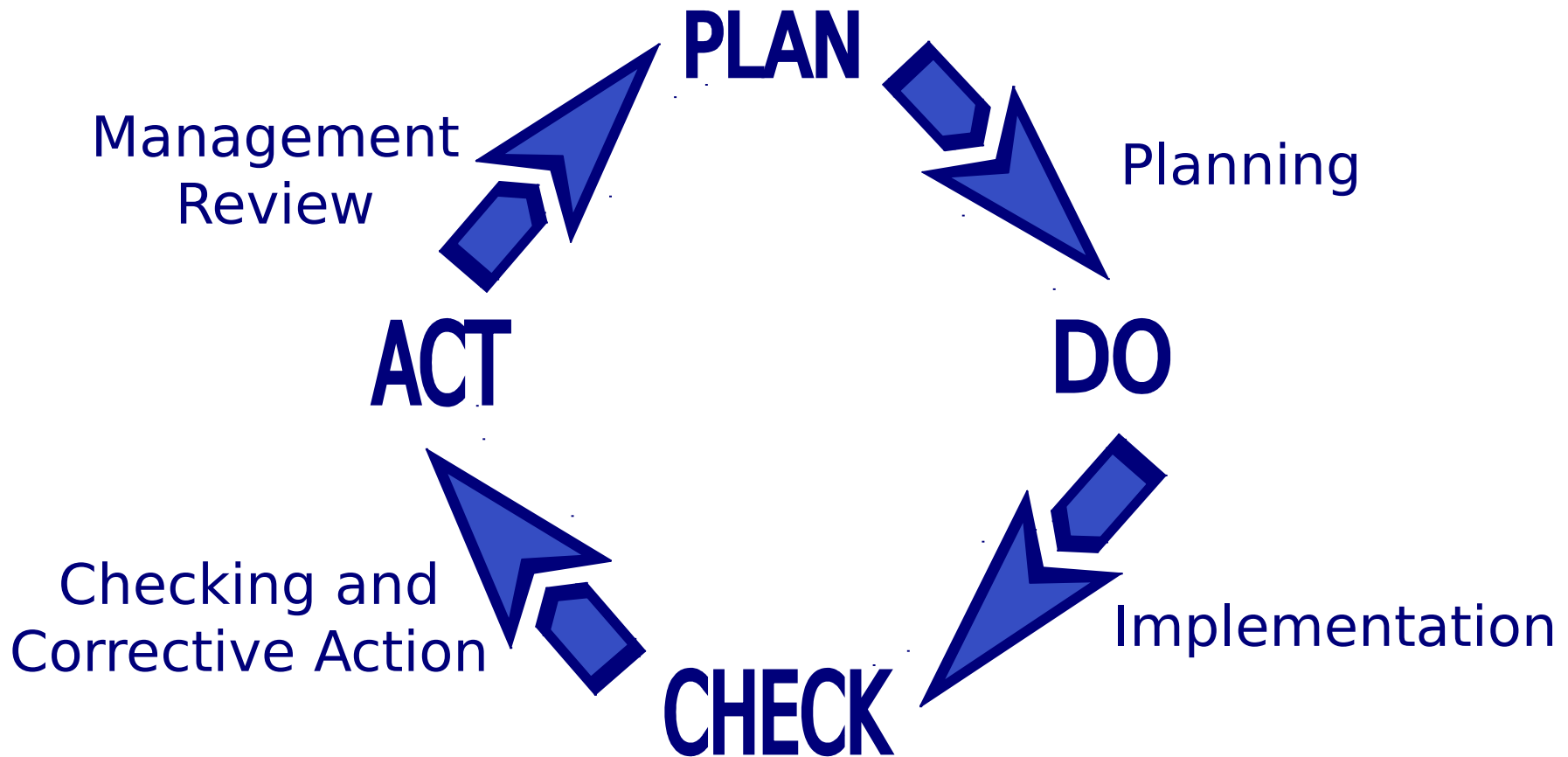


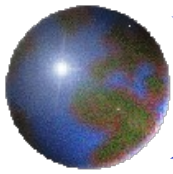
# *Environmental Management Systems*

- An EMS is a management structure designed to integrate environmental considerations into all operations, and to systematically identify, evaluate, and control environmental impacts associated with those operations
- Required of All Army Installations by:
  - ❑ EO 13148, Greening the Government through Leadership in Environmental Management
  - ❑ Army Policy Memorandum, 13 July 01
  - ❑ DOD Policy Memorandum, 5 Apr 02



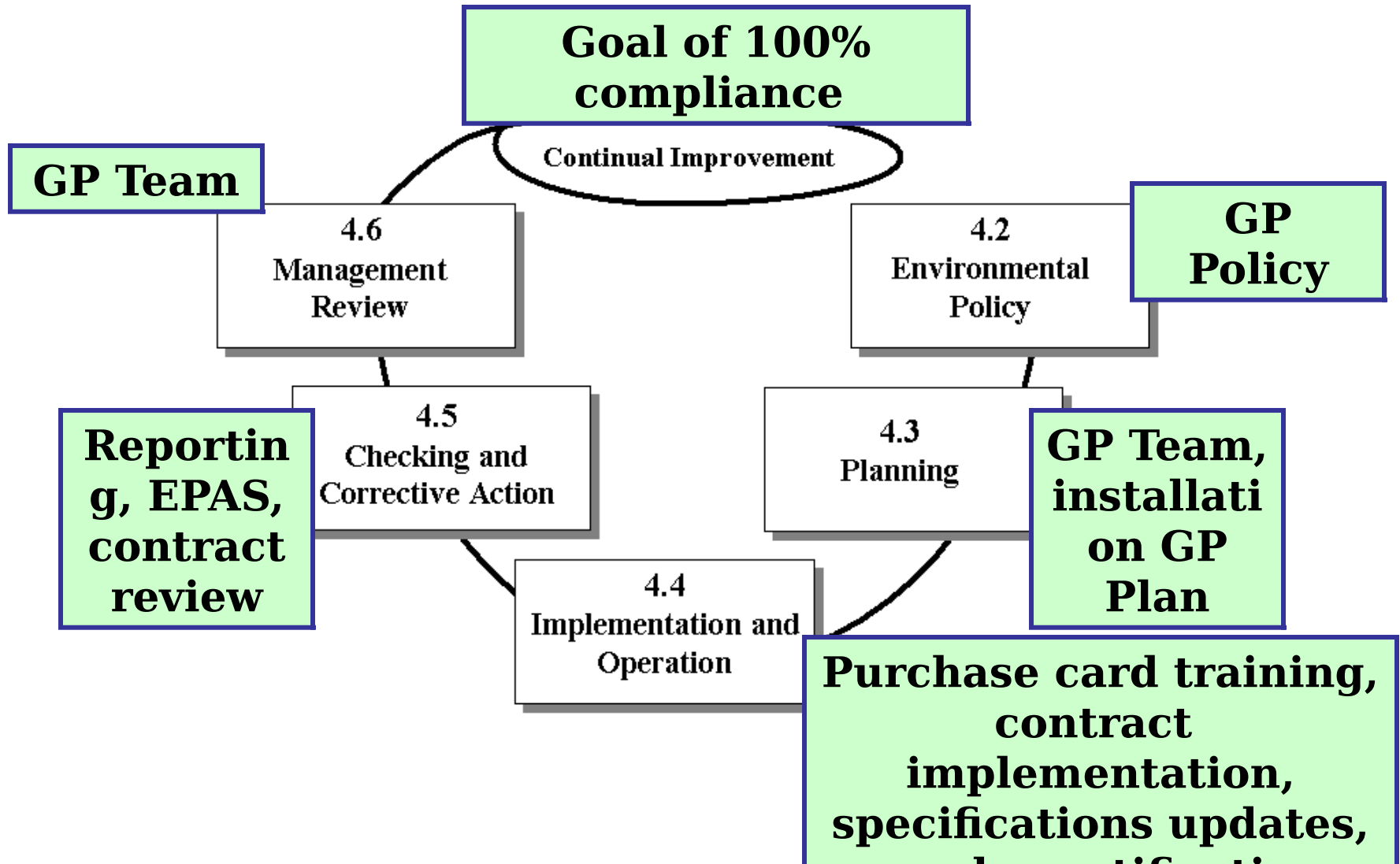
# *The EMS Process*



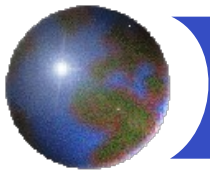


# *Green Procurement and EMS*

**Numbers correspond to ISO 14001 Standard Elements**



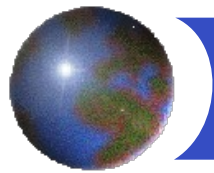




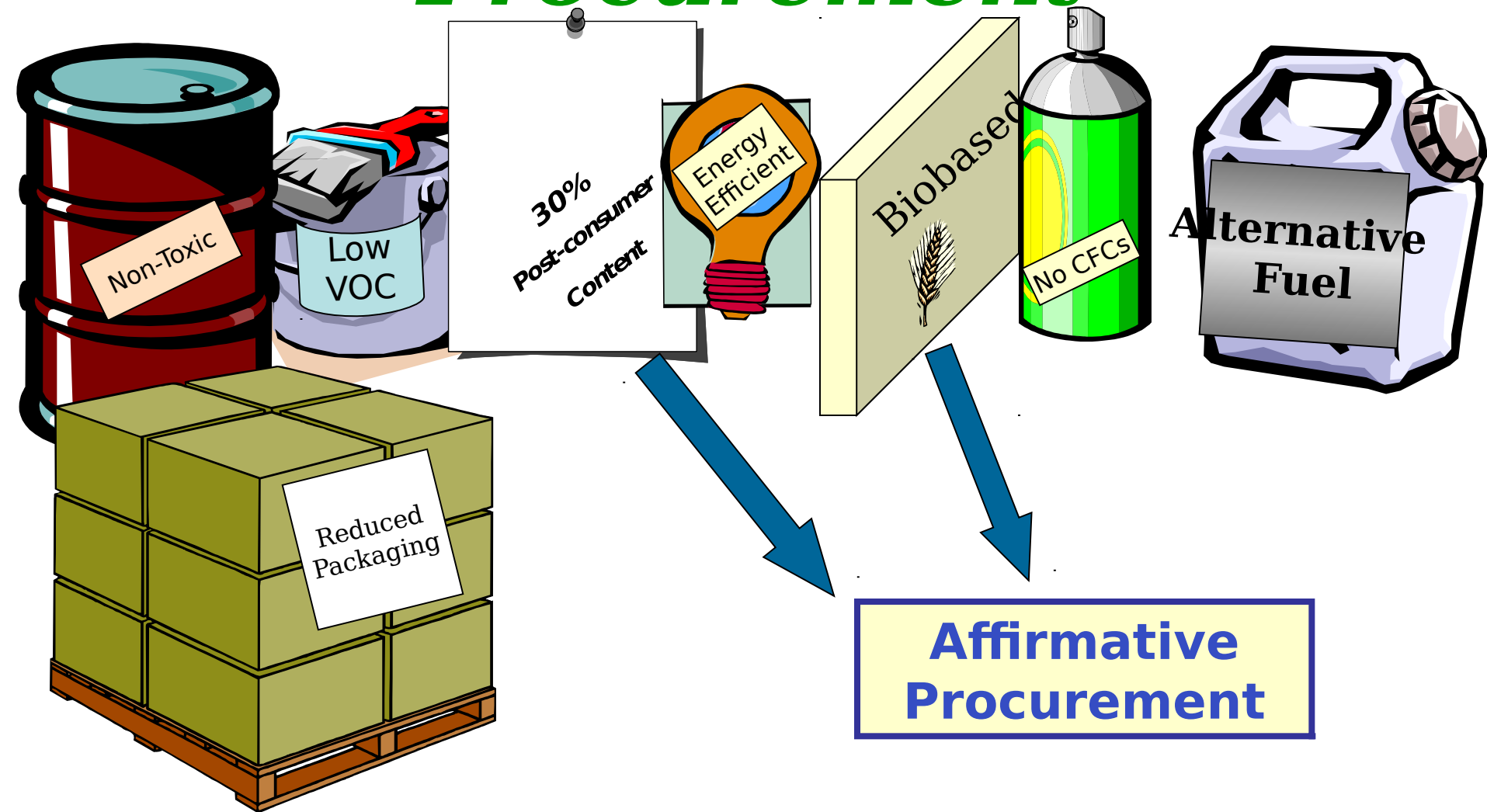
# *Greening the Government Executive Orders*

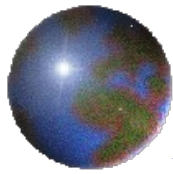


- EO 13101, Greening the Government Through Waste Prevention, Recycling, and Federal Acquisition, Sept 98
- EO 13221, Energy Efficient Standby Power Devices
- EO 13123, Greening the Government Through Efficient Energy Management, June 99
- EO 13134, Developing and Promoting Biobased Products and Bioenergy, Aug 99
- EO 13148, Greening the Government Through Leadership in Environmental Management, April 00
- EO 13149, Greening the Government Through Federal Fleet and Transportation Efficiency, April 00
- EO 13150, Federal Workforce Transportation, April 00



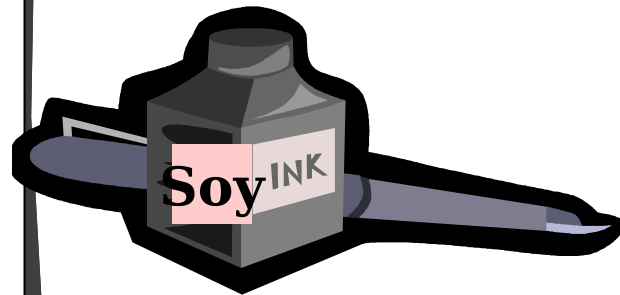
# Green Procurement

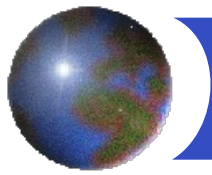




# *Affirmative Procurement*

- The policy and practice of purchasing goods made with **recycled** materials and/or **biobased** products

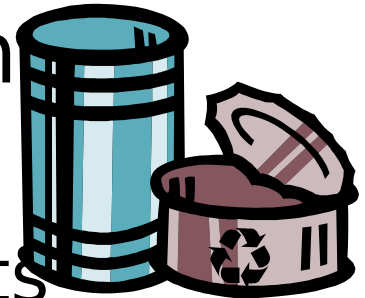




# *AP Program Status*

- EPA's "Buy Recycled" Program

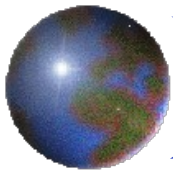
- Products designated since 1995
- Currently 61 designated products



- USDA's "Buy Bio" Program

- Six products designated March 06
- Intend to propose 60 products





# Quiz

*Match the product on the left with the recycled/biobased product on the right*

● Coffee beans, banana peels, tobacco leaves

● Old blue jeans

● U.S. currency

● Potato starch and limestone

● Automobile tires

● Plastic drink bottles

● Soybean oil

● Rice straw

● Cotton seed lint

**Ink**

**Paper**

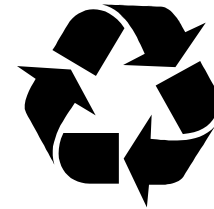
**Pencils**

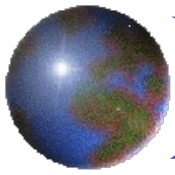
**Particleboard**

**Food service packaging**

**Spill Absorbent**  
**Park benches and clothing**  
**Coffee cups and tableware**

**Playground material**





# Definitions

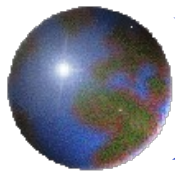
• *Recycled Materials* may be either:

- ▣ Materials recycled within a manufacturing process, or

- ▣ *Recovered Materials* (materials recovered from the waste stream and made into new products).



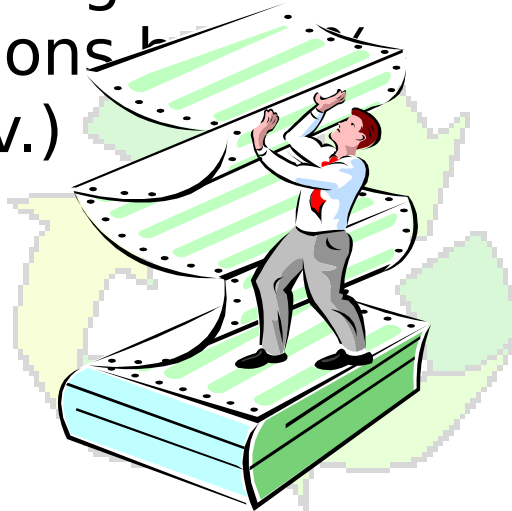
- **Post-Consumer Materials** are recovered materials specifically generated in the consumer sector (homes, businesses, etc). These make up the largest portion of the overall waste stream – so it is important to look for post-consumer material content in the products we purchase!

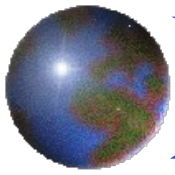


# *Does Recycling Make a Difference?*

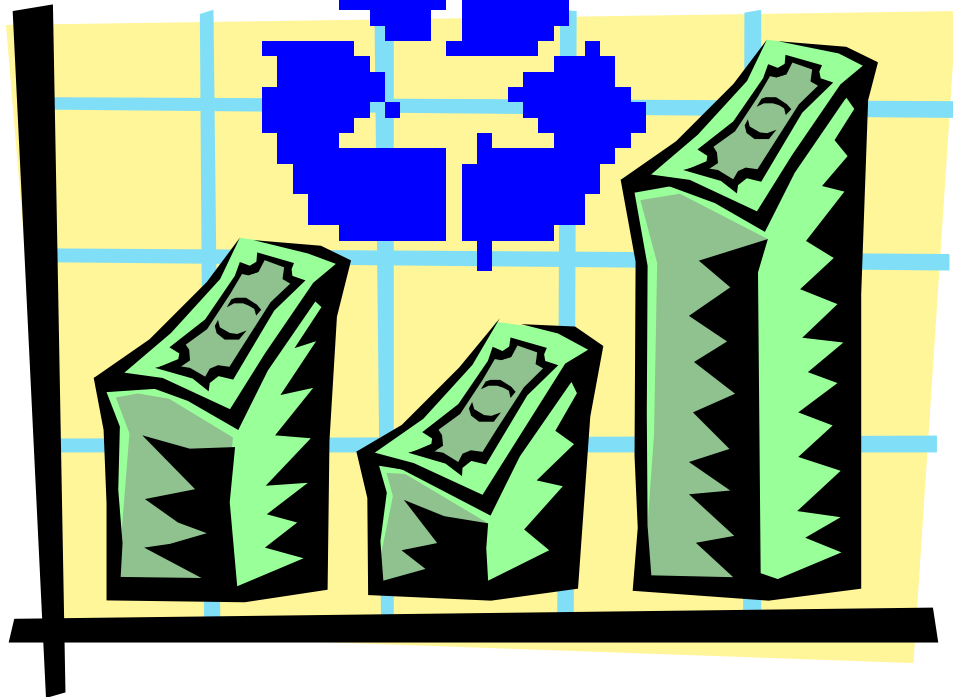
## **Recycling One Ton of Paper :**

- Reduces solid waste by 49%
- Reduces total energy consumption by 43%
- Reduces net greenhouse gas emissions (CO<sub>2</sub> equiv.)
- Reduces hazardous air pollutant emissions by 90%
- Reduces particulate emissions by 40%
- Reduces absorbable organic halogen emissions to water by 100%
- Reduces suspended solids emissions to water by 30%



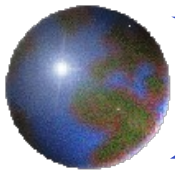


# *Why Affirmative Procurement?*



**The Federal government spends about \$250 Billion every year - and has put this buying power behind the country's recycling and agricultural programs**

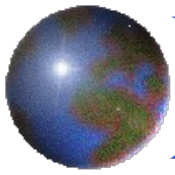




# *Benefits of Buying Recycled*

- ✚ Creates recycling markets
- ✚ Saves energy
- ✚ Conserves resources
- ✚ Saves money
- ✚ Saves landfill space
- ✚ Reduces pollution
- ✚ Provides incentive for development of new technologies
- ✚ Promotes environmental stewardship





# *Why Affirmative Procurement?*

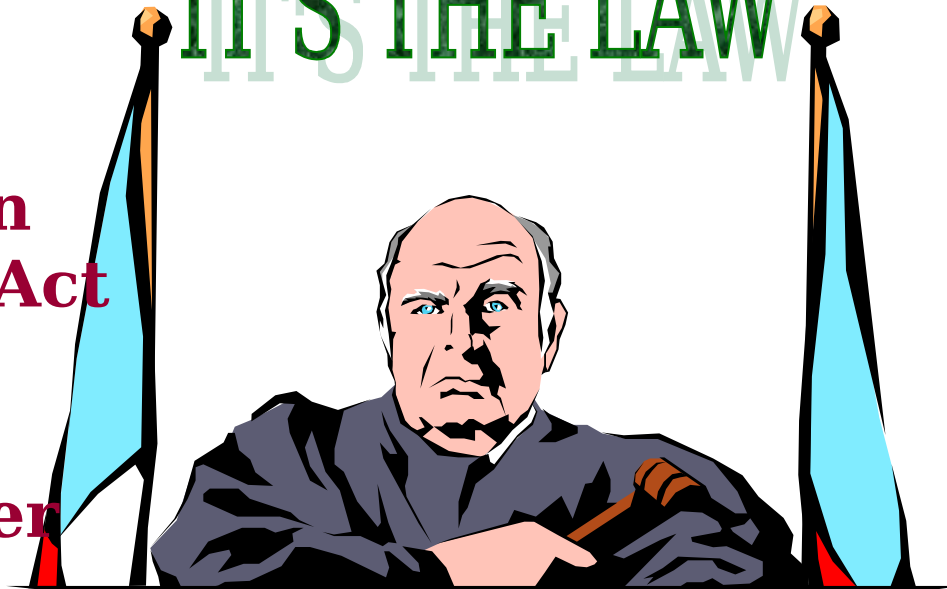
**IT'S THE LAW**

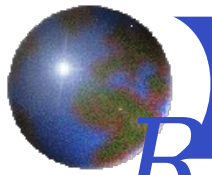
**Resource  
Conservation  
and Recovery Act**

**Federal  
Acquisition  
Regulations**

**Executive Order  
13101**

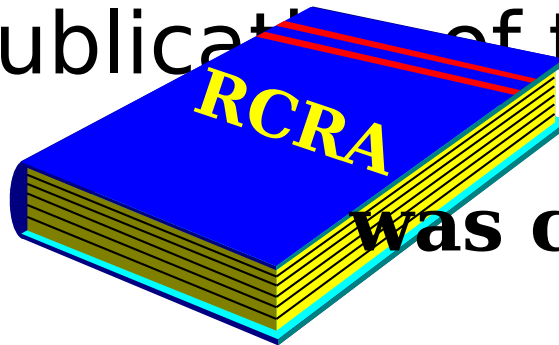
**2002 Farm Bi**



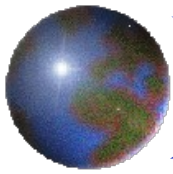


# *Resource Conservation and Recovery Act (RCRA), 1976*

- Section 6002 required EPA to publish guidelines for affirmative procurement and required *procuring agencies* to develop an AP program within 1 year of publication of the guidelines



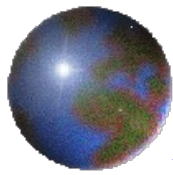
**Section 6002 of RCRA  
was codified in 40 CFR Part 24**



# ***WHAT IS A PROCURING AGENCY?***



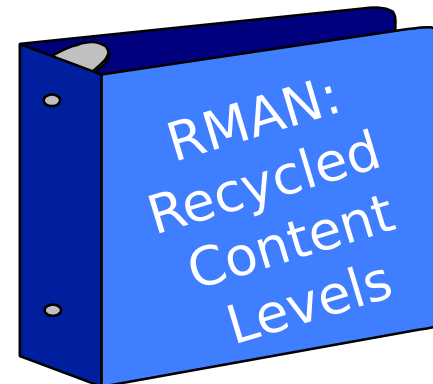
- **Any Federal Agency**
  - Any state or local agency using appropriated Federal funds for a procurement
  - Persons contracting with such agencies
- 
- Applies to procurements of designated items exceeding \$10,000 in a year
  - \$10,000 threshold applies to entire agency (e.g., Dept. of Interior, Dept. of Defense)



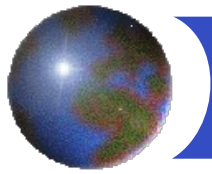
# ***EPA's Buy Recycled Program: Comprehensive Procurement Guidelines (CPGs) and Recovered Materials Advisory Notices (RMANs)***

- CPGs designate the products that must contain recovered material
- RMANs provide recommended recycled-content percentages and guidance on buying recycled-content products

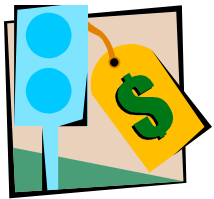
**Example:  
Recycled paper**



**Example  
:  
30% post  
consume  
r**



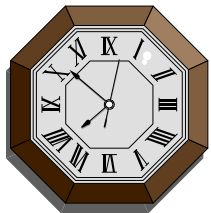
# *Exceptions*



Price

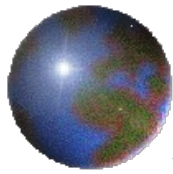


Performance



Availability

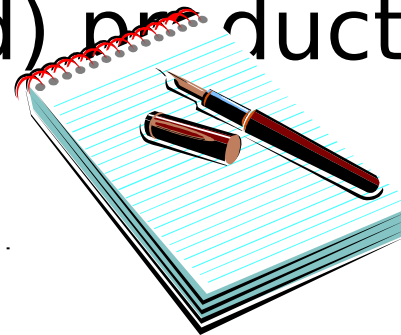
- According to RCRA, procuring agencies must show procurement preferences **unless the product:**
  - ❖ Is available only at an unreasonable price
  - ❖ Will not meet reasonable performance standards
  - ❖ Is unavailable within a reasonable timeframe or at a sufficient level of competition

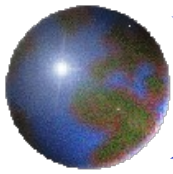


# *How Do I Use An Exception?*

- If you purchase a noncompliant product for reasons of price, performance, or availability, AND the purchase was for more than \$2500, you must document the reasons for not purchasing the compliant (e.g. recycled or (re)manufactured) product

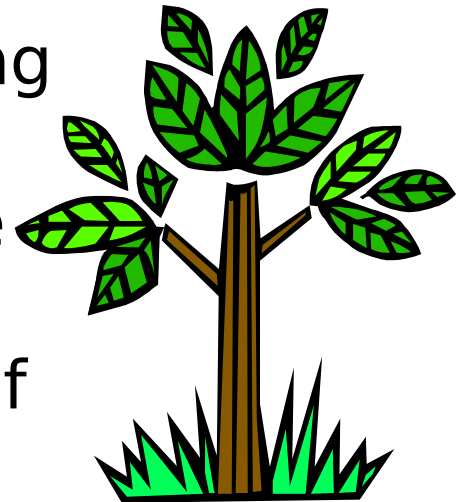
called a written determination of justification



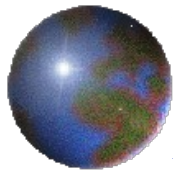


# ***EO 13101 - Greening the Government Through Waste Prevention, Recycling and Federal Acquisition (1998)***

- Directed EPA to include AP in compliance inspections
- Required agencies to provide AP training
- Required procuring agencies to follow procurement guidance published in the Federal Register
- Introduced biobased products as part of AP programs
- Encouraged purchase of environmentally preferable products and services



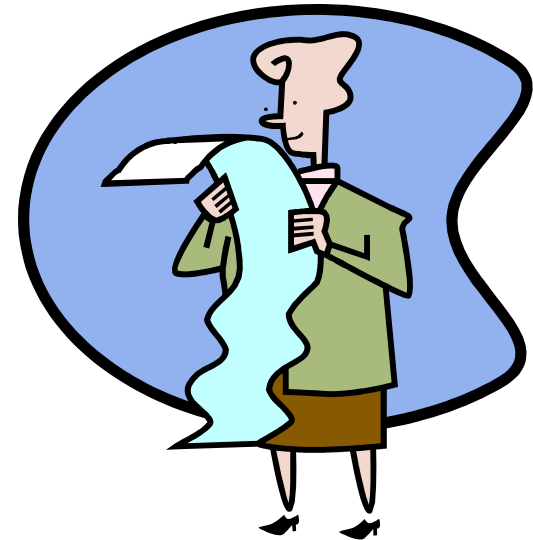


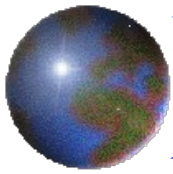


# *EPA-Designated Products under the Buy Recycled Program*

## *Product Categories:*

- Construction
- Landscaping
- Non-paper Office Products
- Paper and Paper Products
- Parks and Recreation
- Transportation
- Vehicular
- Miscellaneous

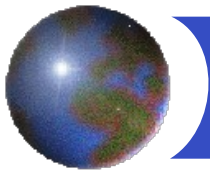




# *CONSTRUCTION PRODUCTS*

## DESIGNATED ITEMS:

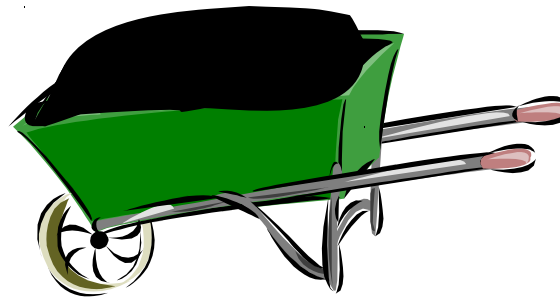
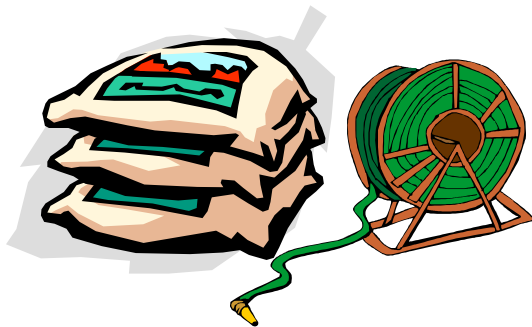
- Building insulation
- Carpet
- Cement and concrete
- Consolidated and reprocessed latex paint
- Floor tiles
- Laminated paperboard
- Patio blocks
- Shower and restroom dividers
- Structural fiberboard
- Carpet cushion
- Flowable fill
- Railroad grade crossings/surfaces
- Modular Threshold Ramps
- Nonpressure Pipe
- Roofing Materials

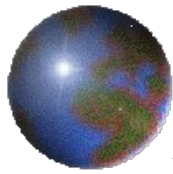


# *LANDSCAPING PRODUCTS*

## DESIGNATED ITEMS:

- Garden and soaker hoses
- Hydraulic mulch
- Lawn and garden edging
- Yard trimmings compost
- Food waste compost
- Landscaping timbers and posts (plastic lumber)

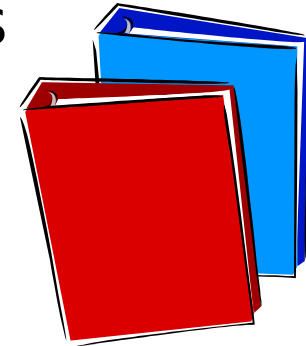


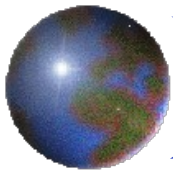


# *NON-PAPER OFFICE PRODUCTS*

## DESIGNATED ITEMS:

- Binders (paper, plastic covered)
- Office recycling containers
- Office waste receptacles
- Plastic desktop accessories
- Plastic envelopes
- Plastic trash bags
- Printer ribbons
- Toner cartridges
- Office furniture
- Solid plastic binders
- Plastic clipboards
- Plastic clip portfolios
- Plastic file folders
- Plastic presentation folders

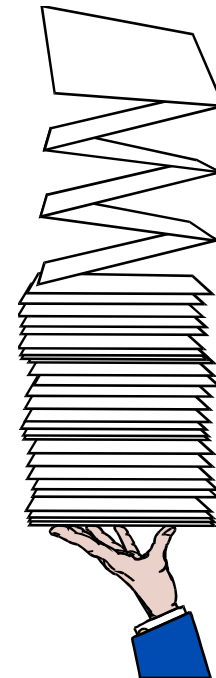


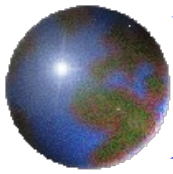


# *PAPER AND PAPER PRODUCTS*

## DESIGNATED ITEMS:

- Commercial/industrial sanitary tissue products
- Miscellaneous papers
- Newsprint
- Paperboard and packaging products
- Printing and writing papers



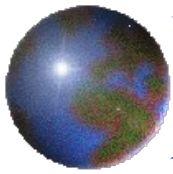


# *PARK AND RECREATION PRODUCTS*

## DESIGNATED ITEMS:

- Plastic fencing
- Playground surfaces
- Running tracks
- Park and recreational furniture
- Playground equipment

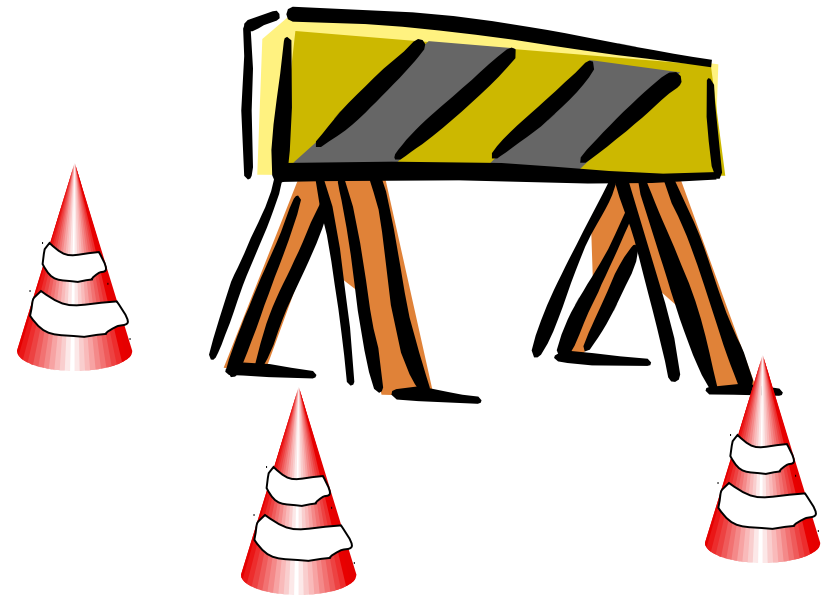


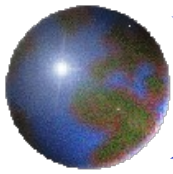


# *TRANSPORTATION PRODUCTS*

## DESIGNATED ITEMS:

- Channelizers
- Delineators
- Flexible delineators
- Parking stops
- Traffic barricades
- Traffic cones

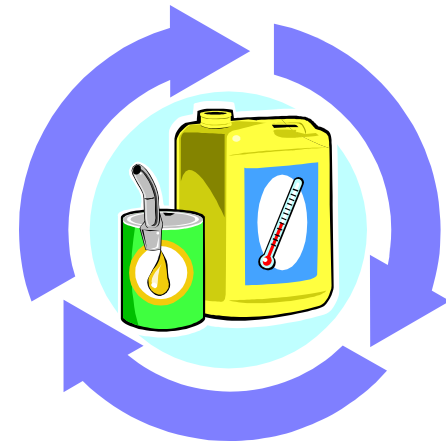




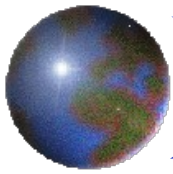
# *VEHICULAR PRODUCTS*

## DESIGNATED ITEMS:

- Engine coolants
- Re-refined lubricating oils
- Retread tires
- Rebuilt vehicle parts



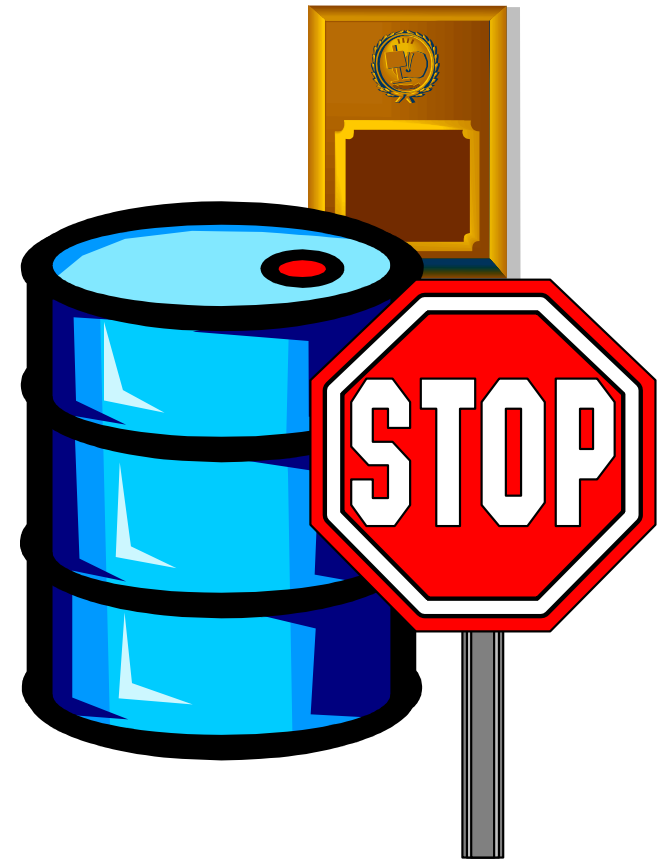


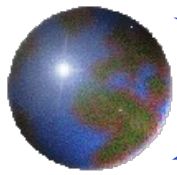


# *MISCELLANEOUS PRODUCTS*

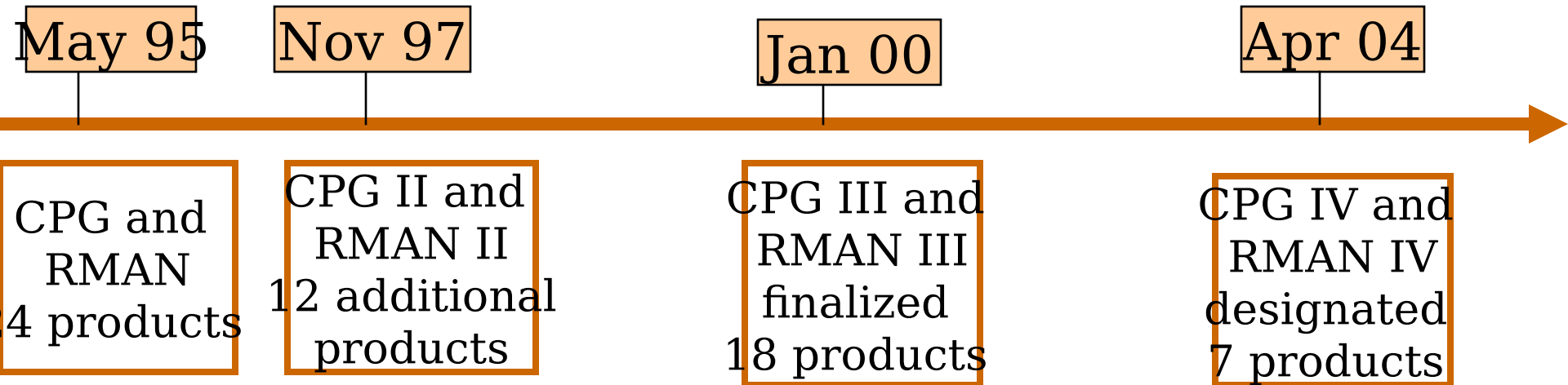
## DESIGNATED ITEMS:

- Pallets
- Sorbents
- Awards and plaques
- Industrial drums
- Mats
- Signage, including supports
- Strapping and stretch wrap
- Bike racks
- Blasting grit



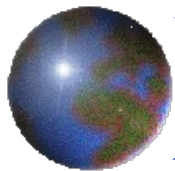


# *CPG and RMAN Timeline*



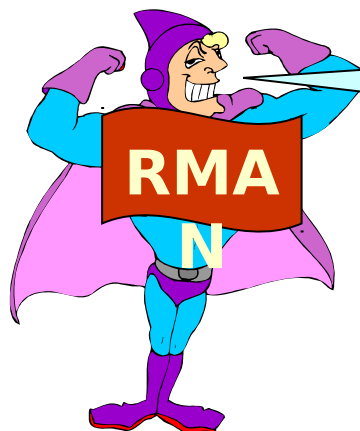
= 61 designated products

- CPGs are codified in 40 CFR part 247

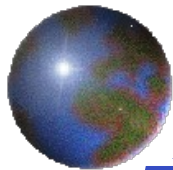


# *Recovered Materials Advisory Notices*

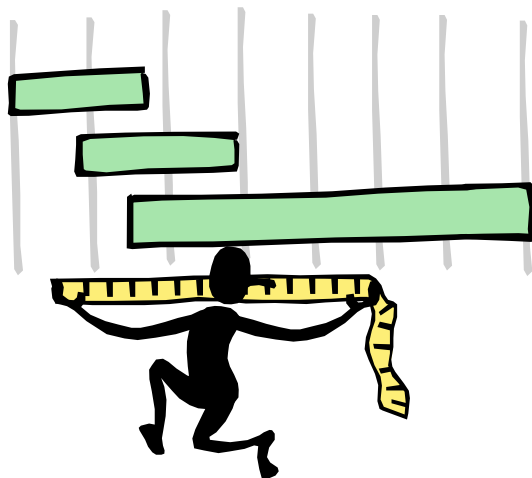
- RMANs provide content recommendations and guidance on buying recycled-content products



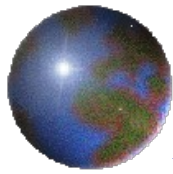
Buy all your  
HDPE plastic  
binders of 90%  
recovered  
content!



# *RMANs Provide Recommended Standards for Purchasing CPG Items*

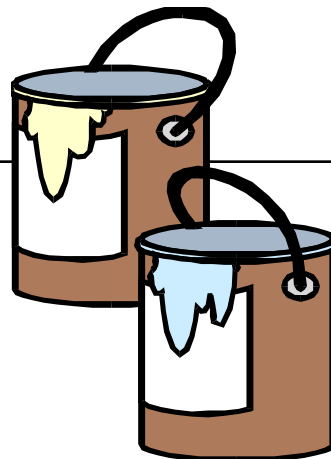


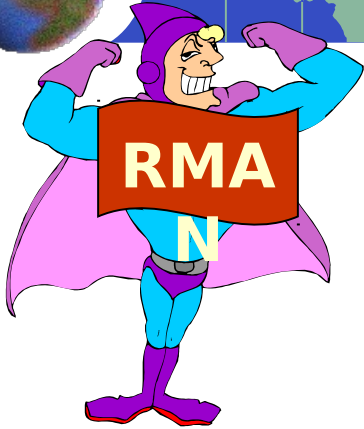
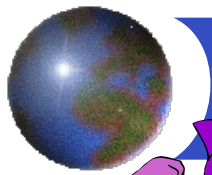
- These Standards May Be Expressed As:
  - ❑ Minimum recovered material content levels
  - ❑ Recovered material content ranges
  - ❑ Management practices
- Considered Guidance – Not Codified in 40 CFR 247



## **Example of RMAN Expressed as Minimum Content Level**

Product	% Postconsumer content
Reprocessed latex paint – white, off-white and pastel	20% minimum

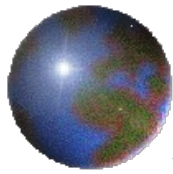




# Example of RMANs Expressed as Ranges

## *Non-Paper Office Products*

<b>PRODUCT CATEGORY</b>	<b>% POSTCONSUMER FIBER CONTENT</b>	<b>% RECOVERED FIBER</b>
<b>Plastic Trash Bags</b>	<b>10-100%</b>	
<b>Plastic covered binders</b>		<b>25-50%</b>
<b>Paper covered binders</b>	<b>75-100%</b>	<b>90-100%</b>



# Examples of RMANs Expressed as Management Practices



- **Toner Cartridges:**

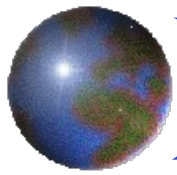
- ❑ Obtain remanufacturing services for used cartridges
- ❑ Procure remanufactured toner cartridges
- ❑ Procure new toner cartridges made with recovered materials

- **Printer Ribbon:**

- ❑ Procure ribbon reinking or reloading services in conjunction with printer service contracts, or
- ❑ Purchase reinked or reloaded printer ribbons

- **Engine Coolant:**

- ❑ Reclaim spent engine coolants onsite for use in vehicles, or
- ❑ Establish service contract for reclamation of spent coolant
- ❑ If coolant is purchased directly, reclaimed coolant should be specified.

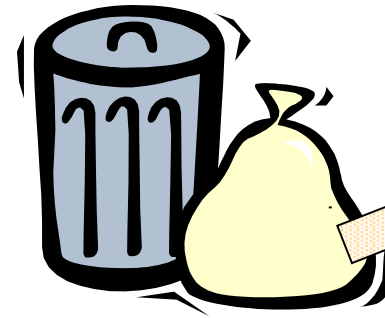


# *When to Apply the RMAN*

- The AP requirements apply when purchasing CPG items **made of the material specified in the RMAN!**
- The purchaser is NOT prevented from buying items made from other

materials

Plastic bag  
made of  
10% post  
consumer  
fiber



Bag made  
of  
biodegrad  
able corn  
starch



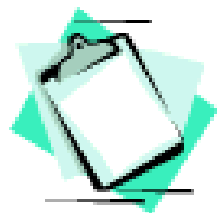


# **RMANS:**

## **Same CPG Item - Different**

### **Materials**

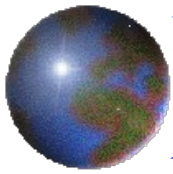
*Non-Paper Office Products*



<b>PRODUCT CATEGORY</b>	<b>% POSTCONSUMER FIBER CONTENT</b>	<b>% RECOVERED FIBER</b>
<b>Plastic Clipboards - HDPE</b>	<b>90%</b>	<b>90%</b>
<b>Plastic Clipboards - PS</b>	<b>50%</b>	<b>50%</b>
<b>Plastic clipboards - misc. plastics</b>	<b>15%</b>	<b>15-80%</b>

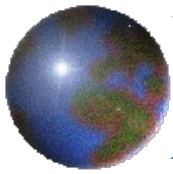


No RMAN for wood or fiberboard clipboard!



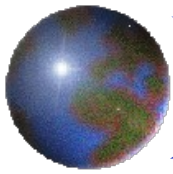
# *Review*

- Which of the following is NOT a regulatory driver of **Green Procurement**?
  - Resource Conservation and Recovery Act
  - Natural Resources Act
  - Exec Order 13101
  - 2002 Farm Bill



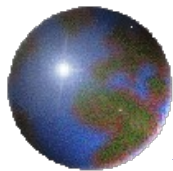
# *Review*

- What does EPA publish that contains the list of designated products under the **Buy Recycled** program?
  - ❑ DOD Policy and Strategy
  - ❑ Executive Orders
  - ❑ Comprehensive Procurement Guidelines
  - ❑ 2002 Farm Bill



# *Review*

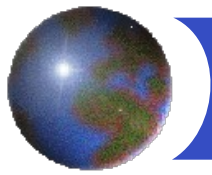
- Which of the following is NOT a category of CPG products under the **Buy Recycled** program?
  - Construction products
  - Paper products
  - Park and Recreation products
  - Electronic products



# ***USDA's Buy Biobased Program***

- Biobased products are commercial or industrial products (other than food or feed) that utilize biological products or renewable domestic agricultural (plant, animal, and marine) or forestry materials
- The Farm Bill (May 2002) made Federal agency purchase of biobased products **mandatory**
- One year from item designation, Federal agencies must incorporate preference for the biobased item into their AP programs



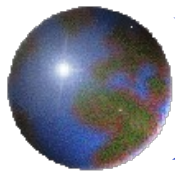


# *Benefits of Biobased Products*

- Provide renewable raw materials for a broad range of nonfood and nonfeed products
- Provide new and expanded markets for agricultural feedstocks
- Reduce U.S. dependence on petroleum and other imports
- Introduce products that are friendlier to the environment than their petroleum-based counterparts
- Foster rural and sustainable development



***Soybean powered Agric  
Research Service tour b***

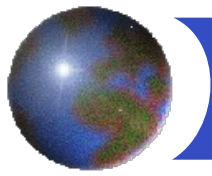


# *Designated Biobased Items*

- 16 March 06, 7 CFR Part 2902, Designation of Biobased Items for Federal Procurement, Final Rule
- The six designated items are:
  - mobile equipment hydraulic fluids
  - urethane roof coatings
  - water tank coatings\*
  - diesel fuel additives
  - penetrating lubricants
  - bedding, linens, and towels\*



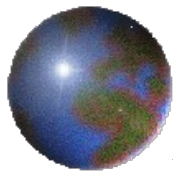
**\*Effective date deferred for these items  
since they  
are currently only available from limited**



# *Biobased Items Designation*

- Examples of other items products USDA intends to propose for designation: sunflower oil-based lubricants, fuel briquettes made of coal fines and milk protein binders, canola oil fuel additives, collagen drug capsules, adhesive made from wheat protein, linseed oil solvents and thinners
- For information and to find qualifying biobased products, visit [www.biobased.oce.usda.gov](http://www.biobased.oce.usda.gov)



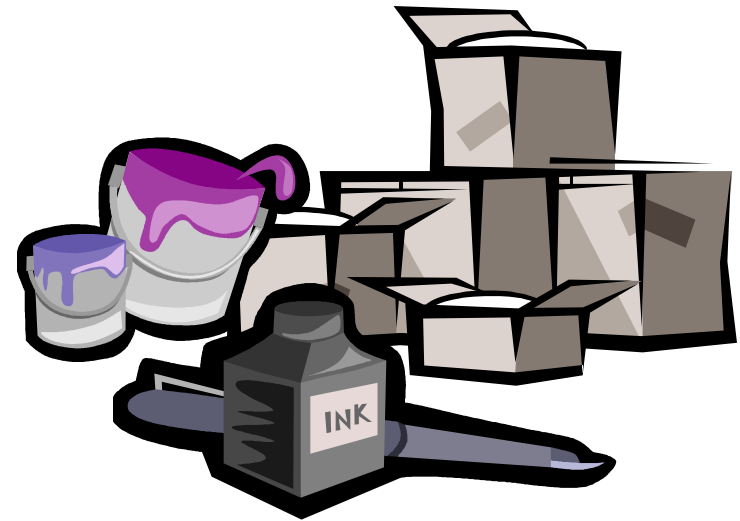


# *Potential Biobased Product List*

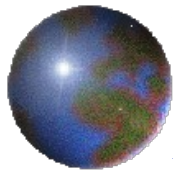
- 60 items

- 11 categories

- ❖ Adhesives
- ❖ Construction materials and composites
- ❖ Fibers, paper, and packaging
  - Example Item: Woven fiber products
- ❖ Fuel additives
- ❖ Landscaping materials, compost and fertilizer
- ❖ Lubricants and functional fluids
- ❖ Plastics
- ❖ Paints and coatings
- ❖ Solvents and cleaners
- ❖ Sorbents
- ❖ Plant and vegetable inks



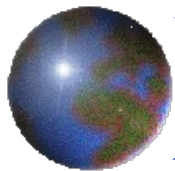
- Example Item: News ink, black



# *Biobased Program - Applicability*



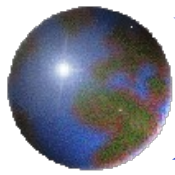
- \$10,000 annual expenditure threshold applies to Agency
- Applies to all Federal Agencies, but unlike RCRA, does not apply to state and local agencies or persons contracting with such agencies
- Does not apply to motor vehicle fuels or electricity
- Does not apply if conflicting with recycled content requirements
- Price, performance, and availability exceptions apply



# *Enforcement of AP*

- EO 13101 directs EPA to conduct reviews of RCRA 6002 compliance at Federal facilities
- Conducted during EPA multimedia inspections (RCRA) - began FY 00
  - ▣ Notices of Violations Possible
  - ▣ Initial focus on motor pools, now on contracting
- Inspection questions include:
  - ▣ Annual use/purchase of CPG product
  - ▣ How much purchased with recovered materials
  - ▣ Are requirements reflected in contracts/agreements
  - ▣ Is there awareness of requirements
  - ▣ Reasons/barriers for not using compliant products
  - ▣ Purchases of product made with credit card



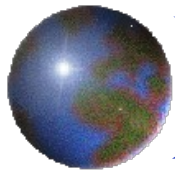


# *What Kinds of Purchases are Affected?*

- **All** purchases made by a Federal agency, or by other agencies using appropriated federal funds, including
  - ❑ Purchase requests
  - ❑ Credit card purchases
  - ❑ Contract actions
  - ❑ Local purchases
  - ❑ Central supply purchases
  - ❑ Purchases from government supply sources
  - ❑ Purchases made online



**...IF YOU BUY IT, OR SPECIFY IT**



# *What About the Mandated Sources of Supply?*

- First define your product needs;  
for example, **folders made  
with recycled content paper**
- Second, go to your mandatory  
sources of supply
- If they don't supply the item,  
let them know you require  
recycled content!
- Check with them often to see if  
they supply the item

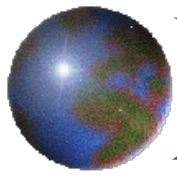


Jointly Managed by  
**IWOD**



**Small  
Businesses**

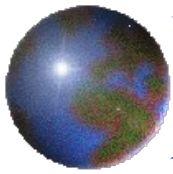




# *Other Aspects of Green Procurement*

- Environmentally Preferable Products
- Energy Efficient Products
- Alternative Fuels and Alternative Fueled Vehicles
- Ozone-Depleting Substances
- EPA Priority Chemicals

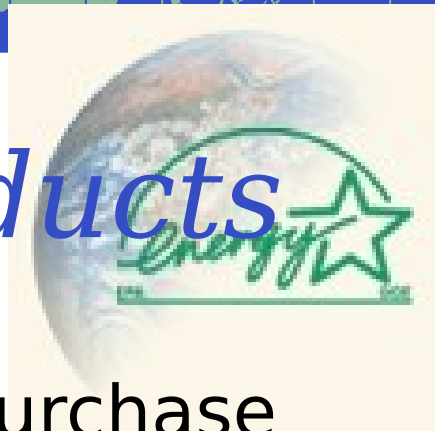
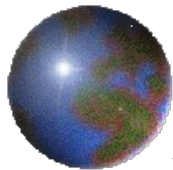




# *Environmentally Preferable Purchasing*

- **EPP** is the procurement of products or services having a lesser effect on human health and the environment when compared with competing products or services
  - ❏ Examples: products that are less toxic, contain reduced VOCs, are durable or repairable, contain less packaging
- **EO 13101** requires Federal agencies to consider environmentally preferable attributes when purchasing goods and services and maximize the purchase of such products and services

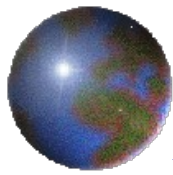




# *Energy Efficient Products*

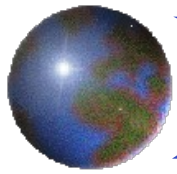
- **EO 13221** directs agencies to purchase devices with minimal standby power – at or below one watt where available.
- **EO 13123** promotes improved energy efficiency in the design, construction, and operation of Federal facilities and requires the consideration of ENERGY STAR® and other energy efficient products when purchasing or contracting for energy-using products.





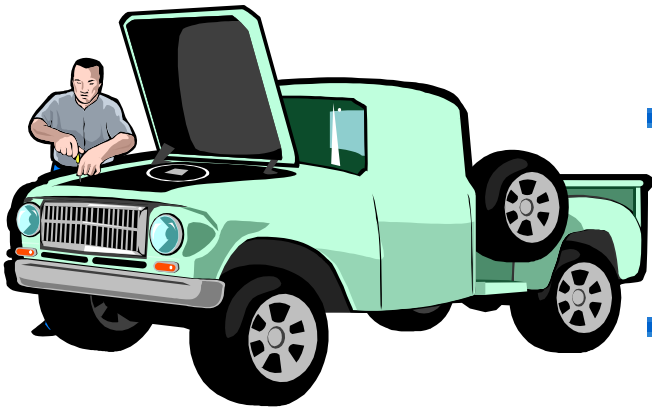
# *Alternative Fuels and Alternative Fueled Vehicles*

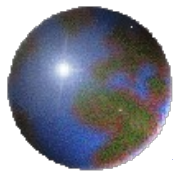
- (AFVs) Energy Policy Act of 1992 (EPAct) requires 75% of light duty vehicles acquired each year in a Federal fleet to be AFVs
  - Alt fuels include biodiesel, natural gas, propane, electricity, ethanol, and hydrogen fuel cell
- EO 13149 requires 3 mpg increase in fleet fuel efficiency by end of FY 05
- Also requirements for procurement of AFV and hybrid trucks (5% of those acquired)



# *Alternative Fuel Vehicles*

- Electric
- Flex-Fuel (E-85 = Ethanol and Gasoline mixture)
- Bi-Fuel (Natural Gas and Gasoline)
- Dedicated (Natural Gas only)
- Hybrid (Electric and Other Fuel Such as Gasoline)

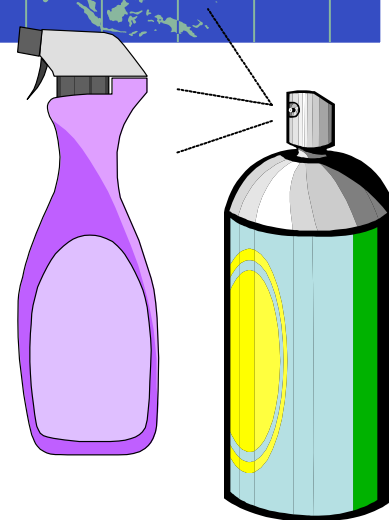




# *Ozone-Depleting Substances*

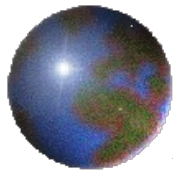
EO 13148, Section 206 requires agencies to phase out the procurement of Class I ODSs by 31 Dec 2010. Facilities must:

- ❑ Switch to safe, approved alternatives
- ❑ Evaluate present and future uses of ODSs in equipment and systems
- ❑ Turn in all excess ODSs from out-of-service equipment to DoD



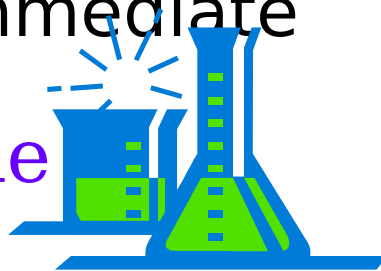
## **Class I ODSs**

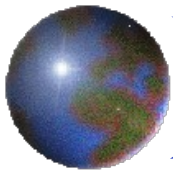
CFCs  
Halon  
Carbon  
tetrachloride  
Methyl  
chloroform



# *Priority Chemicals*

- EO 13148 requires Federal agencies to reduce the use of EPA listed priority chemicals by 50% by Dec 31, 2006
- Priority chemicals are those used by the Federal Government that may result in significant harm to human health or the environment and that have known, readily available, less harmful substitutes
- The five chemicals targeted for immediate reduction are:
  - Cadmium
  - Lead
  - Mercury
  - Naphthalene
  - Polychlorinated biphenyls (PCBs)

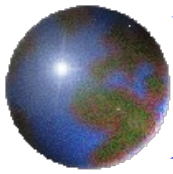




# *Do you know?*

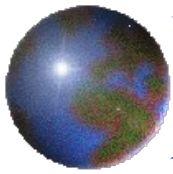
- Which of these is NOT an example of a biobased product?
  - ❑ Ethanol (corn-based fuel)
  - ❑ Non-ozone-depleting aerosol
  - ❑ Sorbent made from cotton seed lint
  - ❑ Soy-based ink





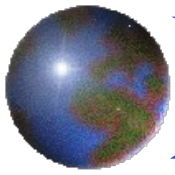
# *Do you know?*

- Which of the following is NOT an element of **Green Procurement**?
  - Environmentally Preferable
  - Biobased
  - Recovered Materials
  - Sustainable Work Practices
  - Alternative Fuels



# *Do you know?*

- Buying a vehicle that runs on gasoline and natural gas is an example of which element of **Green Procurement**?
  - Environmentally Preferable
  - Recovered Materials
  - Alternative Fuels
  - Priority Chemicals



# *Where Can Green Products Be Found?*

## ■ Government Supply Sources

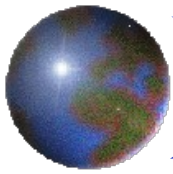
- ❑ General Services Administration (GSA)
- ❑ Defense Logistics Agency (DLA)
- ❑ Government Printing Office (GPO)
- ❑ Federal Logistics Information System (FLIS)
- ❑ Your Onpost Supply Store
- ❑ JWOD (Javits-Wagner-O'Day Act) Affiliates
- ❑ UNICOR (Prison Industries)

## ■ Off-Post Commercial Vendors

- ❑ Home Depot, Office Depot, Staples

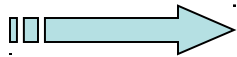






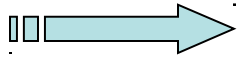
# *GP Made Easy...*

## ● Use The Web



### **For Information**

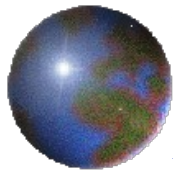
- EPA: [www.epa.gov/cpg](http://www.epa.gov/cpg)
- Govt Procurement [www.govexec.com/procurement](http://www.govexec.com/procurement)



### **To Search for Products**

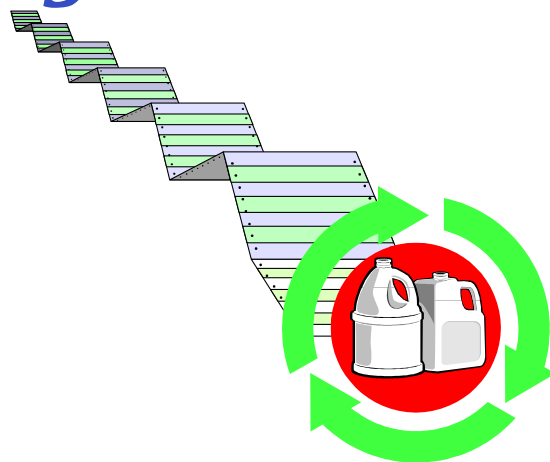
- GSA [www.gsa.gov](http://www.gsa.gov)
- DLA [www.dscr.dla.mil](http://www.dscr.dla.mil)
- DLA [www.emall.dla.mil](http://www.emall.dla.mil)
- EPA [www.epa.gov/oppt/epp](http://www.epa.gov/oppt/epp)
- JWOD [www.jwod.com](http://www.jwod.com)
- USDA <http://www.ars.usda.gov/bbcc/>
- SBA <http://pro-net.sba.gov> (small businesses)

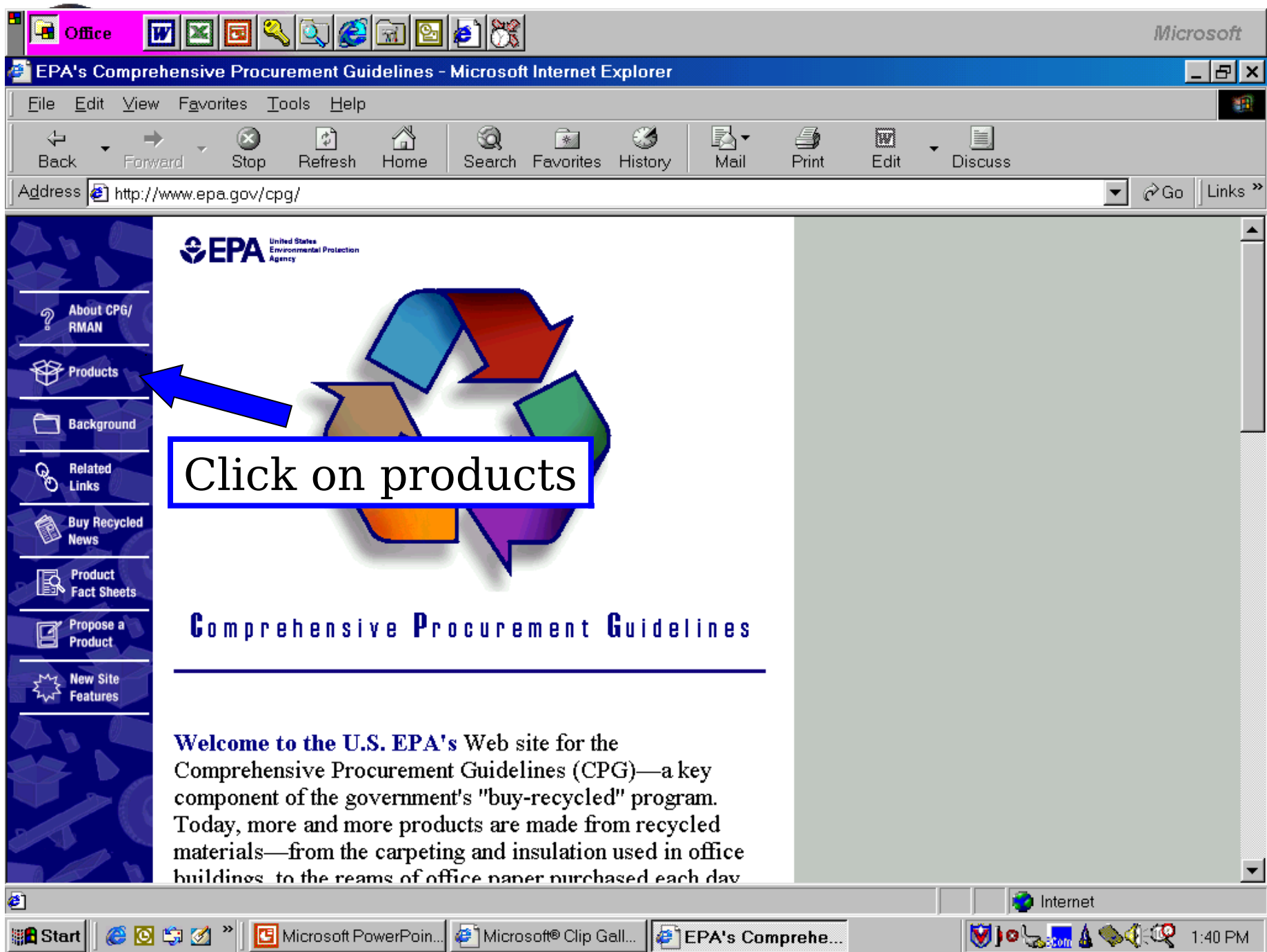




# *EPA List of CPG Products and Recovered Materials Advisory Notices (RMANs)*

[www.epa.gov/cpg](http://www.epa.gov/cpg)





# Example Search for office recycling and waste contain

Favor X

Ad >>

Links

Me...

Co...

MS...

Ra...

Wi...

Ho...

NI...

Office of Solid Waste

C P G

About CPG/ RMAN

Products

Background


Related Links

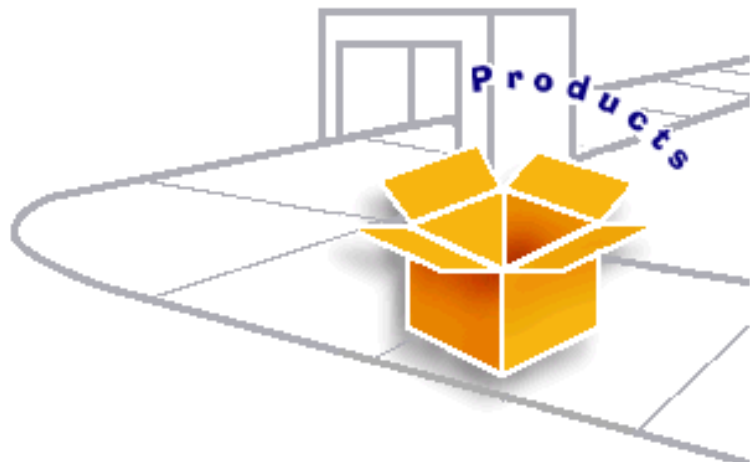
Buy Recycled News

Product Fact Sheets

Propose a Product

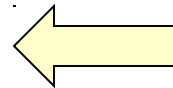
New Site Features

 **EPA**  
United States  
Environmental Protection  
Agency



**A key component of the CPG program** is EPA's list of designated products and the accompanying recycled-content recommendations. EPA has already designated or is proposing to designate the products listed below. They are grouped into 8 categories:

- [Construction Products](#)
- [Landscaping Products](#)
- [Nonpaper Office Products](#)
- [Paper and Paper Products](#)
- [Park and Recreation Products](#)
- [Transportation Products](#)



Click on product cate

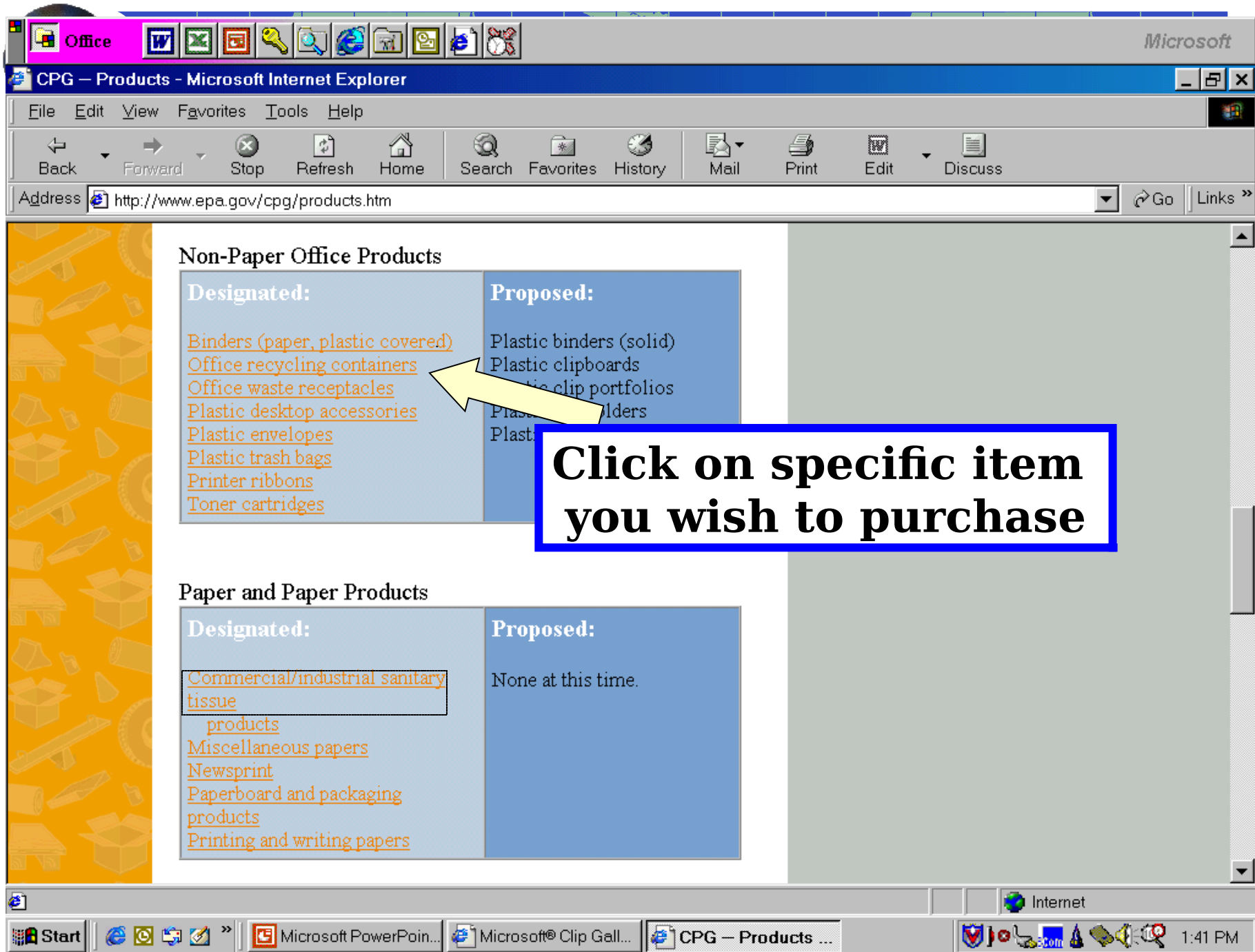
Start

CPG -- Products - Micr...

Microsoft PowerPoint - [n...

Internet

10:05 A



**Office of  
Solid Waste****C P G**About CPG/  
RMAN

Products



Background

Related  
Links

Buy Recycled



nonpaper office products-----



Recycling containers and waste receptacles are used to collect and transport waste and recyclable materials in offices all across the country - either in deskside or larger, more centralized containers. These items can be made from recovered paper, plastic, or steel.

Click to see  
RMANs

Propose a  
ProductNew Site  
Features

- [Recommended Recovered Materials Content Ranges](#)
- [Product Information](#)
- [Additional Links](#)

**Recommended Recovered Materials Content Ranges:**

RMANs give  
content ranges  
for products

## EPA's Recommended Recovered Materials Content Levels for Office Recycling Containers and Office Waste Receptacles <sup>1</sup>

Materials	<u>Postconsumer Content</u> (%):	Total <u>Recovered Materials</u> Content (%):
Plastic	20 - 100	--
Steel <sup>2</sup>	16	25-30
Paper		
-Corrugated	25-50	25-50
-Solid Fiber Boxes	40	--
-Industrial Paperboard	40-80	100

<sup>1</sup>EPA's recommendations do not preclude a procuring agency from purchasing containers or receptacles manufactured using another material such as wood. They simply require that procuring agencies, when purchasing office recycling containers or office waste receptacles manufactured from plastic, paper, or steel, purchase such containers made with recovered materials when they meet applicable specifications and performance requirements.

<sup>2</sup>The recommended recovered materials content levels for steel in this table reflect the fact that the designated items are made from steel manufactured in a Basic Oxygen Furnace (BOF). Steel from the BOF process contains 25-30% total recovered materials, of which 16% is postconsumer steel.



## Product Information:

### List of Manufacturers and Suppliers

[Adobe Acrobat PDF file](#) || [ASCII text file](#)

This list identifies manufacturers and suppliers of office recycling containers and waste receptacles containing recovered materials.

[GSA Advantage!](#)

**Click here for list of suppliers**

The U.S. General Services Administration's (GSA's) *Federal Supply Schedule Group 72, Part 7, Schedule B* lists a variety of containers and receptacles available for purchase. In addition, GSA publishes various supply catalogues, guides, and schedules for recycled-content products available through the Federal Supply Service.

## Additional Links:

### *2000 Buy-Recycled Series: Nonpaper Office Products*

[Adobe Acrobat PDF file](#)

This fact sheet highlights the nonpaper office products, designated in the CPG, including office recycling containers and waste receptacles, and includes case studies, recommended recovered-content levels, and a list of resources.



Manufactures office recycling containers and  
waste receptacles that contain up to 100 percent  
recovered material.

Office Paper Systems, Inc.  
7950 Airpark Road  
Gaithersburg, MD 20879  
Contact: Kevin W. Stearman  
Phone: 301 948-6301  
Fax: 301 948-6302

Orbis  
1055 Corporate Center Drive  
P.O. Box 389  
Oconomowoc, WI 53066  
Contact: Sales Department  
Phone: 800 999-8683  
Fax: 414 560-5841

Plastikos  
48 40th Avenue  
N.D. 11e Perrot, PQ J7V 5X8  
Canada  
Contact: Randy Praznik

**Manufacturers and  
distributors of waste  
receptacles made  
with recovered materials**

# DoD Email

Under 'Refine Your Search' you can search for products with green attributes

Change Corridor  
All of DOD EMAIL

Start A Search  
**Keywords**  
calendar

NSN/Item Number  
Equals

Refinements  
☒ Keep ☐ Discard  
Clear Search

Refine Your Search  
By Category  
All NSNs  
Commercial (UNSPSC)  
Federal Catalog System  
Supplier Specifications  
By General Attribute  
DAYS ARO  
PRICE  
SUPPLIER  
Alphabetic  
Corridors

Current Search:  
Keyword: calendar in Corridor: All of DOD EMAIL

Search History: 1 2 3 4 5 6 7 8 9 10

Product Categories With the Most Frequent Matches  

- CALENDAR, PAD
- BOOK, APPOINTMENT
- PAD, DESK, BLOTTER
- CALENDAR, WALL
- STAND, CALENDAR PAD
- BINDER, LOOSE-LEAF
- CHART, CALENDAR PLANNING
- POCKET PLANNING SET
- CALCULATOR, ELECTRONIC

Add Selected to Cart Compare Selected

Products Found (37302):  
Sort By: Search Ranking 1 2 3 4 5 6 7 8 9 10

CALENDAR	SBA	\$XX.XX EA	1	ADD	
Supplier: WEST SIDE TRACTOR SALES CO Mfr. Part #: CAL24 Contract #: SP090001D9701 IDIQ Days ARO: 4 days					
CALENDAR	SBA	\$XX.XX EA	1	ADD	
Supplier: WEST SIDE TRACTOR SALES CO Mfr. Part #: DC5 Contract #: SP090001D9701 IDIQ Days ARO: 4 days					
CALENDAR	SBA	\$XX.XX EA	1	ADD	
Supplier: WEST SIDE TRACTOR SALES CO Mfr. Part #: DC5A Contract #: SP090001D9701 IDIQ Days ARO: 4 days					
CALENDAR	SBA	\$XX.XX EA	1	ADD	
Supplier: WEST SIDE TRACTOR SALES CO Mfr. Part #: DKCAL1CU Contract #: SP090001D9701 IDIQ Days ARO: 4 days					
CALENDAR	SBA	\$XX.XX EA	1	ADD	

ENAC (Environment Attribute Code)



Address https://emall6.prod.dodonline.net/shopping/search/search.action?keywords=calendar&amp;partNumber=&amp;wildcardPatternId=0&amp;categoryId=&amp;sortAttributeId=0&amp;sortOrderId= Go Links

&gt;&gt; Home &gt;&gt; Shop &gt;&gt; Search &gt;&gt; View Results

You are not logged in.

Region/Special Codes: Country: UNITED STATES Postal Code: 17013

Cart Summary: Line Count: 0 Sum Total: \$XX.XX

## Change Corridor

All of DOD EMALL

## Start A Search

## Keywords

calendar

## NSN/Item Number

Equals

## Refinements

☒ Keep ☐ Discard

Clear

Search

## Refine Your Search

## By Category

Commercial (UNSPSC)

## By General Attribute



DAYS ARO

PRICE

## SUPPLIER

Alphabetic

Corridors

## Current Search:

Search History: 1 2 3 4 5 6 7 8 9 10

Keyword: calendar in Corridor: All of DOD EMALL with [refinements](#)

## Product Categories With the Most Frequent Matches

- [CALENDAR, PAD](#)
- [BOOK, APPOINTMENT](#)
- [REFILL, POCKET PLANNING SET](#)
- [CALENDAR, WALL](#)
- [PAD, DESK, BLOTTER](#)
- [BINDER, LOOSE-LEAF](#)
- [CHART, CALENDAR PLANNING](#)
- [STAND, CALENDAR PAD](#)
- [POCKET PLANNING SET](#)

Add Selected to Cart

Compare Selected

## Products Found (3584):

Sort By: Search Ranking

1 2 3 4 5 6 7 8 9 &gt;

[CALENDAR,DSKPD12MO11X17](#)

Category: CALENDAR, PAD

Supplier: [Miller's Office Products](#)

Min. Order: \$XX.XX

Mfr. Part #: 0144

Catalog #: HOD0144

Contract #: W911SE04A0023 [Army BPA](#)

UPC: 50040983207527

Description: CALENDAR,DSKPD12MO11X17



\$XX.XX EA



Days ARO:

1 days

1

ADD



Recycled Content

[CALENDAR,DSKPD12MO11X17](#)Supplier: [Midway Office Supply](#)

Min. Order: \$XX.XX

Mfr. Part #: 0144

Catalog #: HOD0144

Contract #: GS14F0043MB [GSA FSS](#)

Description: CALENDAR,DSKPD12MO11X17



\$XX.XX EA



Days ARO:

2 days

1

ADD

[CALENDAR,DSKPD12MO11X17](#)

\$XX.XX EA

1

ADD



# on-line shopping

## To Place an Order

### Customer Log-in

#### Govt Purchase Card

- OR -

#### AAC

#### Password

GO

Apply for an AAC  
Apply for a Password

## To Browse

### Customer Tools

- ▶ Quick Order
- ▶ FEDSTRIP Ordering
- ▶ Retrieve a Cart
- ▶ Requisition Status

**Welcome...** you have found the web's #1 Official Federal source for Government purchasing. GSA Advantage! offers the convenience of purchasing more than one million products and services with the click of a button.

GSA Advantage! was included in the Year 2000 Computerworld Smithsonian Collection as an example of how information technology is being used to improve society. We have also been named one of the "Best Feds on the Web" and have received several prestigious awards including the Federal Technology Leadership Award that was presented by Government Executive Magazine. In 1996, GSA Advantage! was recognized by the Computerworld Smithsonian Award program for innovative technology in the workplace.

**New search features!** 



### Browse/Search

Keywords: Shipping ZIP: 

GO

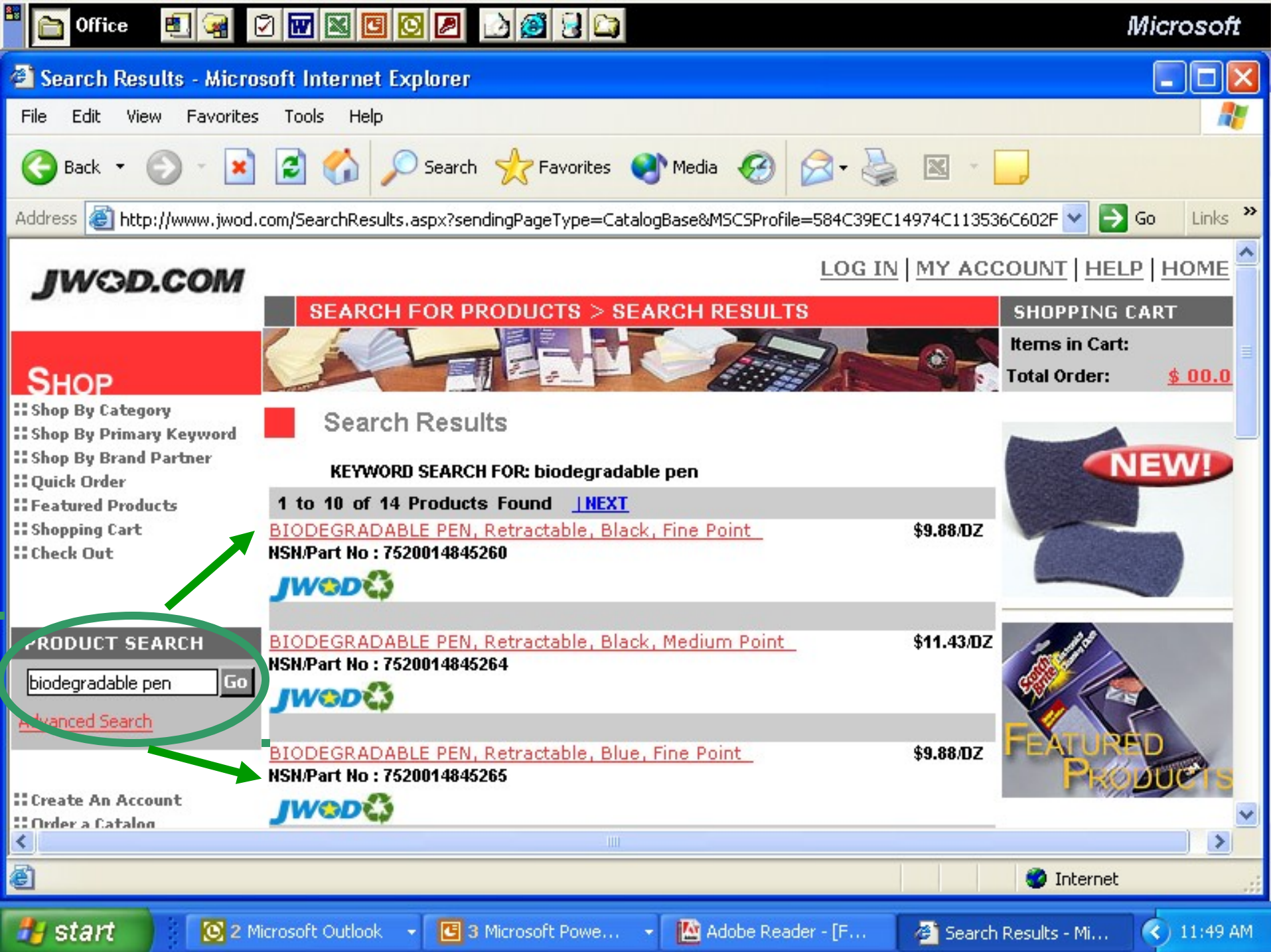
## Advanced Search

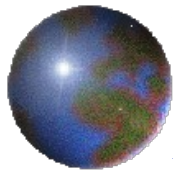


### Schedules & LIBRARY

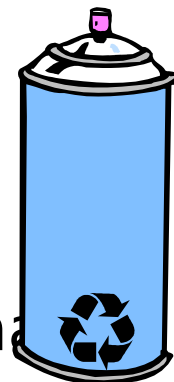
Your Source for the latest Contract Award Data.







# *What's On The Label?*



## ● Look For Specifics

- ❑ “50% Post-Consumer fiber” says more than “made with recycled products”

- ❑ Meets EO 13101 or CPG requirements

## ● Watch Out For Misleading Claims

- ❑ “Now with higher recycled content”

## ● Beware of Ambiguity or Advertising Ploys

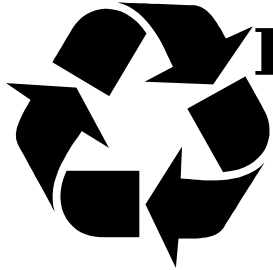
- ❑ “Environmentally friendly”
- ❑ “Green”
- ❑ Symbols depicting the earth or trees
- ❑ Unexplained recycling logos
- ❑ “Recyclable” – may not be recyclable  
In your community





# Recycling Symbols and What They Mean

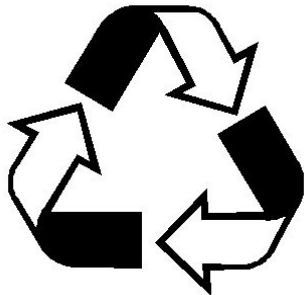
should  
↑



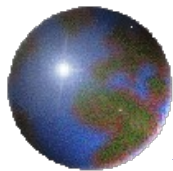
**ROUNDED CHASING  
ARROWS:  
RECYCLABLE**



**UNCOLORED ARROWS  
MADE WITH  
RECYCLED CONTENT**



**BOTH COLORED AND UNCOLORED  
ARROWS - BOTH RECYCLABLE AND  
MADE WITH RECYCLED MATERIALS**



# Labeling Quiz

Which is the Better Choice for Meeting CPG Requirements?

Item	Postconsumer fiber (%)	Recovered fiber (%)
Cards (index, postal, and other, including index sheets)	20	50

Green Card



**INDEX CARDS**



Made with 20% Postconsumer fiber



Earth-Right

Chlorine Free!

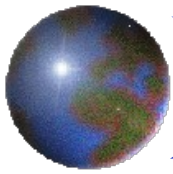
**INDEX CARDS**

Meets Government Requirements



Contains 50% recovered materials





# How Well Do You Know Your Labels?

- Does not contain substances potentially harmful to the ozone layer
- Possesses energy efficient attributes such as low standby power, auto shut-off, less energy usage, or use of rechargeable power source
- Not processed or manufactured with synthetic (and petroleum derived) pesticides and fertilizers, antibiotics, genetic engineering, irradiation or sewage sludge
- Meets environmental standards of a certifying organization, may include performance, environmental impact, packaging, and labeling
- Will disintegrate in the disposal environment in a reasonable amount of time

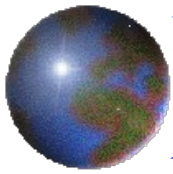
■ Organic

■ No CFCs

■ Biodegradable

■ Green Seal

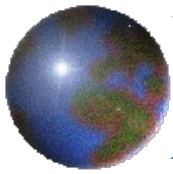
■ Energy Star



# *The Lighter Side of Labels*

- Sears hairdryer: “Don’t use while sleeping”
- Rowenta iron: “Do not iron clothes on body”
- Dial soap: “Use like regular soap”
- Nytol sleep aid: “Warning. May cause drowsiness”
- Sainsbury’s peanuts: “Warning. Contains peanuts”
- Bag of Frito’s: “You could be a winner! No purchase necessary. Details inside”
- Christmas lights: “for indoor or outdoor use only”
- Child’s superman costume: “Wearing of this garment does not enable you to fly”

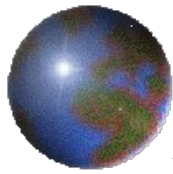




# *Reporting and Tracking*

- EO 13101 directs Federal agencies to develop reporting and tracking of purchases of EPA- designated items (recycled products)
- The White House Task Force established a reporting work group to develop a low-burden reporting system for all federal agencies

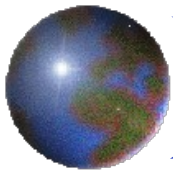




# *RCRA 6002 Current Reporting Scheme*

**More on this  
in contracting  
Session!**

- \$ Contract purchases are reported using Form DD 350 through the Federal Procurement Data System (the *number of contracts* with the appropriate FAR clauses is reported)
- \$ Of the 61 products, only 8 “*indicator*” items are counted, to include both direct and contract purchases
- \$ Central supply sources (GSA, DLA) report purchases of the indicator items *directly* to OFEE

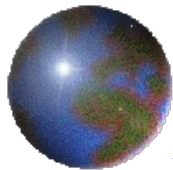


# *Environmental Reporting Logistics System (ERLS)*

## DLA's Automated Reporting System

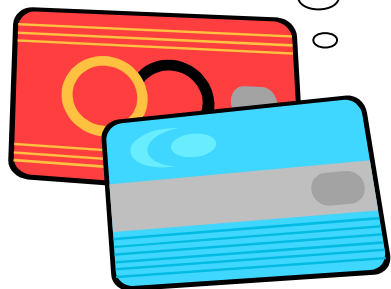


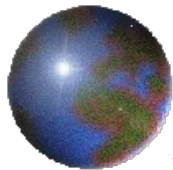
- Provides web-based tracking and reporting for recycled, biobased, and other green products purchased by Federal agencies
- ERLS Green Procurement Report (GPR) tracks green and non-green products purchased from DLA and GSA - using environmental attribute codes (CPG, energy efficient, low VOC, water conserving, asbestos alternatives)
- Provides data at DOD Acquisition Activity Code (DODAAC) and installation level
- Data source for DOD Green Procurement Program metrics



# *Additional Reporting Recommendations of the White House Task Force*

- Automatic substitution policies
  - Currently policies for paper (GSA) and re-refined oil (DLA)
  - Future considerations include toner cartridges, engine coolant, and retread tires
- Pilot programs to test tracking by vendors and bank card companies
- “Smart Card” technology to track and possibly block purchases
- EPA to aggressively assess AP on RCRA inspections

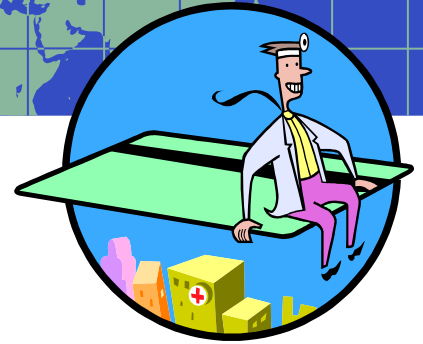
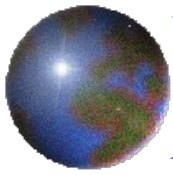




# *How Will Purchases of EPA-Designated Items be Monitored?*



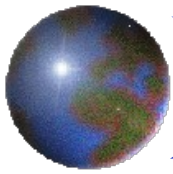
- **EPA RCRA and Multimedia Inspections**
- **EPA Facility Questionnaires**
- **Agency and Component Reporting Data**
- **EPAS/Other Compliance Findings**
- **IG Inspections**



# *What Should You Do?*

- Keep the lists of CPG and biobased items handy – refer to them when you buy or specify!
- Maximize your purchases of green products by
  - Searching for them in catalogs and online sources
  - Requesting them from your vendors and supply sources
- Document noncompliant purchases of designated products (those not meeting recycled-content or biobased requirements) over \$2,500 (for reasons of price, performance, or availability)

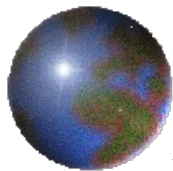




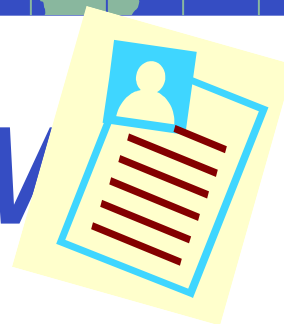
# *What Else Should You Do?*

- Follow your organization's procedures for GP Documentation
  - ❑ Currently no Federal requirement for card purchases to be tracked by the purchaser
- Document Business Training!

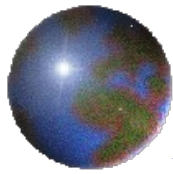




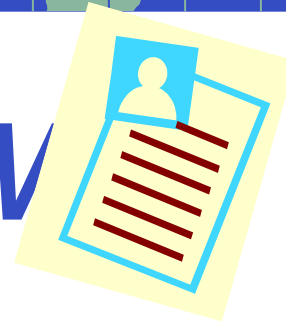
# Review



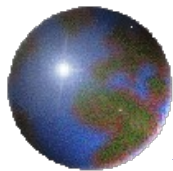
- What would you look for on a label to ensure the greatest benefit for recycling programs?
  - ❑ Contains no additives
  - ❑ Safe for septic systems
  - ❑ High post-consumer recycled content
  - ❑ Government-approved



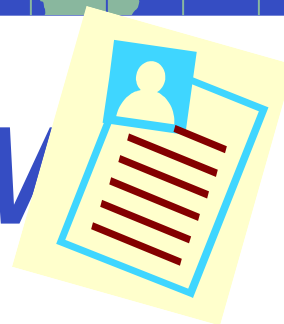
# Review



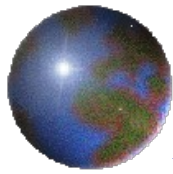
- Which of the following is NOT an acceptable justification for purchasing a designated product without recycled or biobased content?
  - ❑ The price is unreasonable
  - ❑ The product will not meet performance standards
  - ❑ The product will be shipped overseas
  - ❑ The product is not available within a reasonable time frame



# Review



- Which of the following is currently used to track installation purchases of green products?
  - ❑ Purchase Card Receipts
  - ❑ DLA's Environmental Reporting Logistics System (ERLS)
  - ❑ EPA Multimedia Inspection Reports



# *For More Information...*

Contact:

**Pat Rippey or Beth Martin**  
**US Army Center for Health**  
**Promotion and Preventive**  
**Medicine (USACHPPM)**

**Ground Water and Solid Waste**  
**Aberdeen Proving Ground, MD**

**DSN 584-5201/5202**

**Comm (410) 436-5201/5202**

**Pat.Rippey@us.army.mil**

**Beth.A.Martin@us.army.mil**

